

ITD Job Risk Assessment – JRA-AO-03 (Technical Telecommunication)

Name(s) Risk Team Members: M.Heinrich, A.McGill, L.Nieves, G.Gottlieb, G.Jorgensen	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Technical Telecommunication Activities Job Number or Job Identifier: JRA-AO-03	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shi ft	>once/shift
Job Description: Run cable (cable pulls), remove/replace battery backup, telecommunication troubleshoot/diagnose/repair telecom equipment onsite	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training Procedures List (Optional): Applicable Standard Operating Procedures:	Likelihood (D)	Very Unlikely	Unlikely	Possible	Probable	Multiple
Approved by: Nicole Bernholc Date 7/10/2006 Rev. #: 0						
Stressors (if applicable, please list all)		Reason for Revision (if applicable):			Comments:	

Activity	Hazard	Control(s)	Before Additional Controls					Risk* AxBxCxD	After Additional Controls						Risk* AxBxCxD
			Stressor	# of People A	Frequency B	Severity C	Likelihood D		Control(s) Added to Reduce Risk	Stressors	# of People A	Frequency B	Severity C	Likelihood D	
All aspects of JRA-AO-02 ITD Electronic Technician	All aspects of JRA-AO-02	All aspects of JRA-AO-02													
Get Work Order (from Service Desk ticket or ILR). Obtain details of job and go to where job	Hazards of facility, of unique job, of other work in progress by other trades at the same time in the same area, radiation,	Contact Bldg.Mgr/Experiment Reviewer/TSR (each building's Telephone Service Rep)/Project Lead-those knowledgeable with job and physical area. Walk thru job. Review FRA of building.		1	5	1	1	5							

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will be performed. All tasks of IT Technician plus additional.		Perform pre-job planning. Online training – Electrical Safety 1, Hazard Communication. Unplug before work – maintain Zero Energy rule,call in EP Electrician.													
Walk through cable run prior. Very rare to push cable in ducts-unknown places. Lift tiles up & lay it in. Pull cable.	Breathing in small areas with mouse droppings or asbestos in air, or dust. Dust, debris in eyes Bodily harm from lifting improperly. Heat stress symptoms in enclosed area or outside, remote areas onsite. Pushing/pulling underneath floor tiles.	Work with 2 techs. Coordinate push/pull activities prior. New work is now run on trays along ceiling. Old work, if hazard observed-stop work and call in Plant engineering for droppings or asbestos. Back Safety training online. BNL JRA “Lifting Objects (up to 30 Pounds.” Online training for Heat Stress Prevention. Drink water frequently. PPE for the job-esp. eye protection. As appropriate, protective footwear, gloves.		1	5	2	1	10							
Drive, carry tools and equipment	Road conditions, vehicle conditions, weather conditions. Small equipment-cuts, scrapes, bruises	See BNL JRA “Driving” Online training – Back Safety		1	2	2	3	12							
The cable-pull itself at a job-site in any building onsite.	For others in building-fall under raised floor, trip hazard of the work at the jobsite	Cones, hazard tape, barrier. Never leave work areas unattended when appropriate.		1	1	2	1	2							
Confined space and manhole work.	Gas leak in the enclosed area underground, steam seeping in. Climbing using awkward positions to get into the area and to bring equipment into	Respirator training, confined space training As required, make it a two person task with 1 spotter outside.		1	1	2	3	6							

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	the space.														
Small power tool use and working near electric panels and around power cabling and electric equipment	Shock, burns, electrocution, struck by flying objects	See JRA for small power tool Online training – Hand & Power Tool Safety.		1	4	2	3	24							
Hand tool use (non-powered),	Repetitive motion injury, laserations abrasions	See JRA for hand tool . Adequate task lighting, job rotation, rest breaks.		1	4	2	1	8							
Equipment (with backup lead acid battery) repair/maintenan ce. Swap out lead Acid batteries out of ITD equipment onsite everywhere.	Acid burns	Wear PPE-gloves, apron, glasses Eyewash nearby. Proper transport container.		1	5	2	3	30							
Ladders/platform/ handtruck use with equipment	Falls from ladder	Fall protection training. Portable Ladder Safety-online training		1	5	1	2	10							
Clean up job site afterward	Slips, trips	Collect and dispose of removed sheath, wire scrap and pieces of cable ties		1	5	1	2	10							

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*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable

Further Description of Controls added to Reduce Risk:

Lessons Learned from this Risk Assessment; Improvements, Positive Feedback: